Docket No.: 324-157 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

CHARLET, Delphine

U.S. Patent Application No.: not vet assigned

Filed: herewith

For: VERIFICATION SCORE NORMALIZATION IN A SPEAKER VOICE

RECOGNITION DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted.

LOWE HAUPTMAN GILMAN & BERNER, LLP

Allan M. Lowe Registration No.

By: Registration No. 19.114

1700 Diagonal Road, Suite 300 Alexandria, Virginia 22314 (703) 684-1111 Facsimile: (703) 518-5499 Date: July 21, 2003

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INFORMATION DISCLOSURE					ATTY. DOCKET NO. 324-157		U.S. APPIICATION NO. Not yet assigned			
CITATION IN AN APPLICATION					APPLICANT CHARLET, Delphine					
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(PTO-1449)										
U.S. PATENT DOCUMENTS EXAMINER'S FILING										
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)										
Pierrot, J.B. et al, "A Comparison of A Priori Threshold Setting Procedures for Speaker Verification in the Cave Project," Proceedings ICASSP, 1998										
Marithoz, J. et al, "A Map Approach, with Synchronous Decoding and Unit-Based Normalization for Text-Dependent Speaker Verification," Proceedings ICASSP, 2000.										
Matsui, T., et al, "Robust Methods of Updating Model and A Priori Threshold in Speaker Verification," Proceedings ICASSP, 1996, p. 97-100.										
Hebert, M., et al, "Improved Normalization without Recourse to an Impostor Database for Speaker Verification," 2000 IEEE International Conference on Acoustics, Speech and Signal Processing Proceedings, Istanbuk, Turkey, 5-9 June 2000, Vol. 2, pp. 1213-1216, XP001072110										
Rabiner, L., "A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition," Proceedings on the IEEE, Vol. 77, No. 2, February 1989, P. 257-286										
Reynolds, D., "Speaker Identification and Verification Using Gaussian Mixture Speaker Models," Speech Communication 17, 19895, p. 91-108.										
EXAMINER			D	DΑ	TE CONSIDERED					

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EXAMINER: Initial if reference considered, whether or notcitation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.